





INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference H1022754PCT		of Transmittal of International Search Report 220) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/JP 03/12837	07/10/2003	21/10/2002
Applicant		
HONDA MOTOR CO., LTD.		
This international Search Report has bee according to Article 18. A copy is being tr	en prepared by this International Searching Autransmitted to the International Bureau.	hority and is transmitted to the applicant
. —	s of a total of <u>4</u> sheets. y a copy of each prior art document cited in this	report.
Basis of the report		
 a. With regard to the language, the language in which it was filed, un 	international search was carried out on the bas less otherwise indicated under this item.	sis of the international application in the
the international search w Authority (Rule 23.1(b)).	vas carried out on the basis of a translation of the	he international application furnished to this
was carried out on the basis of th	e sequence listing:	nternational application, the international search
	onal application in written form. ernational application in computer readable forn	n
	o this Authority in written form.	11.
	o this Authority in computer readble form.	
the statement that the sul	bsequently furnished written sequence listing do as filed has been furnished.	oes not go beyond the disclosure in the
l <u>—</u> '''		s identical to the written sequence listing has been
2. Certain claims were fou	ind unsearchable (See Box I).	
3. Unity of invention is lac	king (see Box II).	
4. With regard to the title ,		
<u> </u>	ubmitted by the applicant.	
hannel	shed by this Authority to read as follows:	
ELECTRONIC CONTROL UNI INTERNAL-COMBUSTION EN	IT AND METHOD FOR CONTROLLING NGINE	G AN IGNITION TIMING OF AN
5. With regard to the abstract,		•
the text is approved as su		
the text has been establis within one month from the	shed, according to Rule 38.2(b), by this Authorit e date of mailing of this international search rep	y as it appears in Box III. The applicant may, ort, submit comments to this Authority.
6. The figure of the drawings to be publ	ished with the abstract is Figure No.	1,3
as suggested by the appli	cant.	None of the figures.
because the applicant fail	ed to suggest a figure.	
X because this figure better	characterizes the inventions (*)	

International application No.



03/12837

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

An ignition timing value of the internal-combustion engine is calculated by using correction terms including a first correction term that is calculated based on a controlled variable without reflecting a desired value and a second correction term that is calculated based on a difference between the controlled variable and the desired value. The first correction term can be calculated based on the controlled variable with no influence of the desired value. Thus, a sudden change does not occur in the feedback controlled variable even in a situation where the difference between the controlled variable and the desired value changes step-wise. Besides, the first correction term is a proportional term (51) and the second correction term is an integral term (55). The controlled variable is a rotational speed of the internal-combustion engine (NE) that is detected by a detector for detecting the engine rotational speed.

INTERNATIONAL SEARCH REPORT

international Application No PCT/1203/12837

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 F02P5/15

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 - F02P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
Х	EP 1 010 880 A (HONDA MOTOR CO LTD) 21 June 2000 (2000-06-21) paragraphs '0103!,'0104!,'0114!-'0118!,'0160!; claim 3; figures 10-12	1-4	
X	EP 1 079 089 A (TOYOTA MOTOR CO LTD) 28 February 2001 (2001-02-28) paragraphs '0155!-'0162!; figure 18	1-3	
X	US 5 492 094 A (DONA ALAN R ET AL) 20 February 1996 (1996-02-20) claims 3,4; figures 3,4 column 3, line 39-41 column 5, line 64 column 6, line 1-3		

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A' document defining the general state of the art which is not considered to be of particular relevance E' earlier document but published on or after the international filling date C' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O' document referring to an oral disclosure, use, exhibition or other means P' document published prior to the international filling date but later than the priority date claimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search 7 January 2004	Date of mailing of the international search report 19/01/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL = 2280 HV Rijswijk, Tel. (+31=70) 340=2040, Tx. 31 651 epo nl, Fax: (+31=70) 340=3016	Authorized officer Ulivieri, E

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info on on patent family members

PCT 03/12837

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
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